Available online at www.sciencedirect.com
ScienceDirect
Forest Ecology and Management 244 (2007) v
Forest Ecology and Management
www.elsevier.com/locate/foreco

Contents

Regular articles

A hierarchical approach for scaling forest inventory and fuels data from local to landscape scales in the Davis Mountains, Texas, USA
H.M. Poulos, A.E. Camp (New Haven, CT, USA), R.G. Gatewood (Alpine, TX, USA) and L. Loomis (Marfa, TX, USA) 1

Disturbance, structure, and composition: Spruce beetle and Engelmann spruce forests on the Markagunt Plateau, Utah
R.J. DeRose and J.N. Long (Logan, UT, USA) 16

Age, and radial growth dynamics of *Pterocarpus angolensis* in southern Africa
M.D. Therrell (Charlottesville, VA, USA), D.W. Stahle (Fayetteville, AR, USA), M.M. Mukelabai (Mongu, Zambia) and H.H. Shugart (Charlottesville, VA, USA) 24

Alteration of the hydrologic cycle due to forest clearing and its consequences for rainforest succession
M.F. Díaz (Santiago, Chile), S. Bigelow (Davis, CA, USA) and J.J. Armesto (Santiago, Chile) 32

Reconstruction of fire history (1680–2003) in Gaspesian mixedwood boreal forests of eastern Canada
È. Lauzon, D. Kneeshaw and Y. Bergeron (Québec, Canada) 41

Effect of stand densities on stand dynamics in white fir (*Abies concolor*) forests in northeast California, USA
J. Zhang, W.W. Oliver and M.W. Ritchie (Redding, CA, USA) 50

Coarse woody debris and the carbon balance of a north temperate forest
C.M. Gough (Columbus, OH, USA), C.S. Vogel (Pellston, MI, USA), C. Kazanski (Northfield, MN, USA), L. Nagel (Meadville, PA, USA), C.E. Flower and P.S. Curtis (Columbus, OH, USA) 60

Contribution of actinorhizal shrubs to site fertility in a Northern California mixed pine forest
M.D. Busse (Redding, CA, USA), M.F. Jurgensen (Houghton, MI, USA), D.S. Page-Dumroese (Moscow, ID, USA) and R.F. Powers (Redding, CA, USA) ... 68

Understory stump sprout development under variable canopy density and leaf area in coast redwood
K.L. O'Hara (Berkeley, CA, USA), P.T. Stancioiu (Brasov, Romania) and M.A. Spencer (Berkeley, CA, USA) 76

Influence of tree morphology, genetics, and initial stand density on outerwood modulus of elasticity of 17-year-old *Pinus radiata*
M.J. Waghorn, M.S. Watt and E.G. Mason (Christchurch, New Zealand) 86

A linear mixed-effects model of biomass and volume of trees using Landsat ETM+ images
Q. Meng, C.J. Cieszewski, M. Madden and B. Borders (Athens, GA, USA) 93

Regeneration after 8 years in artificial canopy gaps in Mountain Ash (*Eucalyptus regnans* F. Muell.) forest in south-eastern Australia
P.J. Van Der Meer (Wageningen, The Netherlands and Victoria, Australia) and P. Dignan (Victoria, Australia and Bristol, UK) 102

Stand structure, composition, and regeneration dynamics following removal of encroaching woody vegetation from Midwestern oak savannas
L.A. Brudvig and H. Asbjornsen (Ames, IA, USA) 112

Natural recovery of genetic diversity by gene flow in reforested areas of the endemic Canary Island pine, *Pinus canariensis*
M. Navascués and B.C. Emerson (Norwich, UK) 122

Short-term effect of removing tree competition on the ectomycorrhizal status of a declining pedunculate oak forest (*Quercus robur* L.)
E. Mosca, L. Montecchio, L. Sella (Legnaro, Italy) and J. Garbaye (Nancy, France) 129

Effects of gap size, light and herbivory on the herb layer vegetation in European beech forest gaps
T. Naaf and M. Wulf (Müncheberg, Germany) 141

Book review

Soil Microbiology, Ecology and Biochemistry
R.F. Fisher (College Station, TX, USA) 150